

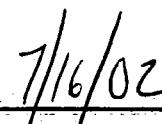
Universal Oil Products

NJD002005106

THIS DOCUMENT "**CORRESPONDENCE
FROM BCM AND PRIORITY POLLUTANT
SUMMARY (JUNE 25, 1980)**" IS CURRENTLY
CLASSIFIED NON-CONFIDENTIAL BY EPA.



Seth Ausubel
Remedial Project Manager



7/16/02
Date

June 25, 1980

PRIVILEGED & CONFIDENTIAL

Mr. Ronald H. DeMaria
Lum, Biunno, and Tompkins
Counselors-at-Law
550 Broad Street
Newark, New Jersey 07102

Subject: UOP Priority Pollutant Characterization
BCM Project No. 00-5102-03

Dear Mr. DeMaria:

Enclosed, please find the final summary of priority pollutant results for UOP Incorporated, Chemical Division, East Rutherford, New Jersey. As previously noted in earlier correspondence, this data represents the concentration of priority pollutants that was detected in the soil and static water table samples taken at the UOP Chemical Plant during the period of March 31 through April 19, 1980.

Analysis of the organic constituents were performed by gas chromatography/mass spectroscopy (GC/MS) as specified in the December 3, 1979 Federal Register entitled Guidelines Establishing Test Procedures for the Analysis of Pollutants; Proposed Regulations.

Inorganic constituents were analyzed according to the recommended and accepted analytical methods contained in the June 14, 1979 Federal Register entitled Draft Consolidated Permit Application Forms and Proposed National Pollutant Discharge Elimination System Regulations.

Only the compounds that were detected at a particular sample point have been presented. Asbestos was the only compound on the priority list that was not analyzed for per the discussion of Brent Cowan (BCM) and Paul Anderson (UOP) with Richard Katz (NJDEP) on March 31, 1980. The remainder of the 129 priority pollutants were not detected and thus not listed. It should be noted that the contaminant concentrations in the soil samples are reported on a wet basis.

Examination of the analytical data will show several values reported with a numerical value followed by a parenthesis containing another analytical value or a designation of ND. The term ND is a notation for "NOT DETECTED". Samples that were analyzed in duplicate were reported with the initial concentration followed by the repeated concentration value placed in parenthesis.

Eastern Group

Betz · Converse · Murdoch

Mr. Ronald H. DeMaria
June 25, 1980
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It has been a pleasure to work with UOP Incorporated on this project and we sincerely hope that we can be of service in the near future.

Should there be any questions concerning the data submitted, please contact us at your earliest convenience.

Very truly yours,

Brent Cowan

Brent Cowan
Project Engineer III

BC/ydd
Enclosure

cc: Robert Haldeman (UOP)
Andy Szurgot (UOP) ✓
R. Rathmell (BCM)
Tony Bove (BCM)
Tony DeFalco (BCM)

UCP Incorporated
Chemical Division

TABLE 1

PRIORITY POLLUTANT SUMMARY

| Sample Point | 3 | 3 | 3 | 3 |
|-----------------------------|---------|---------|---------|-------------------|
| Sample Depth | 0'-1' | 1'-2' | 2'-4' | Static Water |
| BCM Lab No. | 4432 | 4434 | 4433 | 4769 |
| <u>ORGANICS</u> | (ppm) | (ppm) | (ppm) | (microgram/liter) |
| Acrolein | - | - | - | 100 |
| Benzene | - | - | - | 30 |
| Chlorobenzene | - | - | - | 19 |
| 1,1 - Dichloroethane | - | - | - | 1 |
| Ethylbenzene | - | - | - | 2 |
| Methylene Chloride | - | - | - | 15 |
| Toluene | 61 | - | - | 900 ✓ |
| Phenol | 22.2 | - | - | 67.2 |
| Bis(2-ethylhexyl) phthalate | 138 | 8788 | 5757 | 23.2 |
| Di-n-butyl phthalate | - | 165 | 101 | - |
| <u>METALS</u> | (mg/kg) | (mg/kg) | (mg/kg) | (mg/liter) |
| Antimony | <0.125 | <0.125 | <0.125 | <0.125 |
| Arsenic | 1.26 | 1.26 | - | - |

UCP Incorporated
Chemical Division

TABLE 1 (Cont.)

| <u>METALS</u> | (mg/kg) | (mg/kg) | (mg/kg) | (mg/liter) |
|---------------|---------|---------|---------|------------|
| Beryllium | 0.046 | 0.07 | 0.062 | <0.01 |
| Cadmium | 0.12 | 0.019 | 18.8 | <0.005 |
| Chromium | 3.17 | 2.73 | 2.22 | <0.02 |
| Copper | 10.95 | 3.35 | 2.88 | <0.03 |
| Lead | 9.07 | 6.63 | 4.62 | <0.10 |
| Mercury | 0.172 | 0.04 | 0.017 | 0.003 |
| Nickel | 6.8 | 4.53 | 3.35 | <0.10 |
| Selenium | <0.001 | 0.019 | 0.002 | <0.001 |
| Silver | 0.09 | 0.12 | 0.07 | <0.02 |
| Thallium | <0.14 | <0.14 | <0.14 | <0.14 |
| Zinc | 17.53 | 10.20 | 186 | <0.004 |
| Cyanide | 0.068 | <0.005 | 0.068 | 0.005 |

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TABLE 2

PRIORITY POLLUTANT SUMMARY

| Sample Point | 6 | 6 | 6 | 6 |
|---------------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| Sample Depth | 0'-1' | 1'-2' | 2'-4' | Static Water |
| BCM Lab No. | 4488 | 4489 | 4490 | 4770 |
| ORGANICS | ppm (microgram/gram) | ppm (microgram/gram) | ppm (microgram/gram) | ppb (microgram/liter) |
| Acrolein | - | 56 | - | - |
| Benzene | - | - | - | 7 |
| Chloroform | - | - | - | 1 |
| Trans-1,2-Dichloro- ethene | - | 310 | - | 380 |
| Methylene Chloride | 7.8 | 110 | - | 15 |
| Toluene | - | - | - | 14 |
| Trichloroethylene | - | 8.9 | - | 210 |
| Benzo (b) Fluoranthene | - | - | 10.38 | - |
| Bis (2-ethylhexyl) phthalate | 2.45 | 8.58 | - | 56 |
| Butyl Benzyl phthalate | 1.96 | - | - | - |
| Chrysene | - | - | 18.8 | - |
| Di-n-butylphthalate | 1.96 | - | - | - |
| Dioctylphthalate | 1.96 | - | - | - |

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Chemical Division

TABLE 2 (Cont.)

| <u>ORGANICS (Cont.)</u> | (microgram/gram) | (microgram/gram) | (microgram/gram) <i>ppm</i> | (microgram/liter) |
|-------------------------|------------------|------------------|-----------------------------|-------------------|
| Fluoranthene | - | - | 19.8 | - |
| Phenanthrene | 0.98 | - | 14.3 | - |
| Pyrene | - | - | 17.8 | - |
| <u>METALS</u> | (mg/kg) | (mg/kg) | (mg/kg) <i>ppb</i> | (mg/Liter) |
| Antimony | <0.125 | <0.125 | <0.125 | <0.125 |
| Arsenic | 2.62 | 162 | 0.93 | 0.87 |
| Beryllium | 0.054 | 0.046 | 0.046 | <0.01 |
| Cadmium | 0.197 | 0.128 | 0.448 | 0.019 |
| Chromium | 6.48 | 6.96 | 6.29 | <0.02 |
| Copper | 33.2 | 16.6 | 39.24 | <0.03 |
| Lead | 130 | 56.3 | 127 | <0.10 |
| Mercury | 0.39 | 0.015 | 0.158 | 0.00014 |
| Nickel | 7.70 | 21.62 | 8.90 | 0.30 |
| Selenium | 0.018 | 0.034 | 0.147 | <0.001 |
| Silver | 0.25 | 0.13 | 0.25 | <0.02 |
| Thallium | <0.14 | <0.14 | <0.14 | <0.14 |
| Zinc | 63 | 41.2 | 72.2 | 0.007 |
| Cyanide | 0.68 | 0.14 | 0.14 | 0.0007 |

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TABLE 3
PRIORITY POLLUTANT SUMMARY

| Sample Point | 11 | 11 | 11 | 11 | 11 |
|---------------------------|------------------|------------------|------------------|------------------|-------------------|
| Sample Depth | 0'-1' | 1'-2' | 2'4' | 18'-20' | Static Water |
| BCM Lab No. | 4495 | 4496 | 4497 | 4498 | 4771 |
| ORGANICS | (microgram/gram) | (microgram/gram) | (microgram/gram) | (microgram/gram) | (microgram/liter) |
| Acrolein | - | 21 | - | - | 1000 ✓ |
| Acrylonitrile | - | - | - | - | 17 |
| Benzene | 2.9 | 3.9 | 7.3 | - | 14,000 |
| Bromodichloromethane | - | - | - | - | 5 |
| Chlorobenzene | - | - | - | - | 310 ✓ |
| Chloroform | - | - | 9.2 | - | 160 ✓ |
| Dibromochloromethane | - | - | - | - | 20 |
| 1,2-Dichloroethane | - | - | - | 7.1 | 480 ✓ |
| 1,1-Dichloroethene | - | - | 1.7 | - | 130 |
| Trans-1,2-Dichloroethene | 1.3 | 2.1 | 1.5 | 1.2 | 100,000 |
| 1,2-Dichloropropane | - | - | - | - | 160 |
| Ethylbenzene | 9.5 | 7.9 | 15 | - | 900 |
| Methylene Chloride | - | - | 240 | 6.5 | 200 |
| 1,1,2,2-Tetrachloroethane | 2.8 | 79 | 53 | 32 | 3000 ✓ |
| Tetrachlorethene | - | - | - | - | 180 ✓ |
| 1,1,1-Trichloroethane | - | - | - | - | 2 |

Chemical Division

Sample
site ④

TABLE 3 (Cont.)

| <u>ORGANICS (Cont.)</u> | (microgram/gram) | (microgram/gram) | (microgram/gram) | (microgram/gram) | (microgram/liter) ^{ppb} |
|--------------------------------|------------------|------------------|------------------|------------------|----------------------------------|
| 1,1,2-Trichloroethane | - | - | - | - | 230 |
| Toluene | - | - | - | - | 8000 ✓ |
| Trichloroethylene | - | - | - | - | 300 ✓ |
| Phenol | 2.3 | 1.9 | 1.4 | - | - |
| Bis(2-ethylhexyl) phthalate | 813 | 14.4/87.7 | 121.6 | 12.8 | 44 |
| Bis(2-chloroethyl) ether | - | - | - | - | 248 |
| 1,3-Dichlorobenzene | - | - | - | - | 120 |
| 1,4-Dichlorobenzene | - | - | - | - | 1280 ✓ |
| 1,2-Dichlorobenzene | - | - | - | - | 1600 ✓ |
| Diethylphthalate | - | - | - | - | 352 ✓ |
| Dimethylphthalate | - | - | - | 15.9 | - |
| 1,2,4-Trichlorobenzene | - | - | - | - | 240 ✓ |

| <u>METALS</u> | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/liter) |
|---------------|---------|---------|---------|---------|------------|
| Antimony | <0.125 | <0.125 | <0.125 | <0.125 | <0.125 |
| Arsenic | 0.862 | 1.44 | 1.59 | 1.20 | 0.085 |
| Beryllium | <0.01 | <0.01 | 0.094 | 0.102 | 0.01 |
| Cadmium | 0.315 | 0.79 | 0.197 | <0.005 | <0.005 |
| Chromium | 7.62 | 5.68 | 7.34 | 3.30 | <0.02 |
| Copper | 23.4 | 17.7 | 7.84 | 6.41 | 0.03 |
| Lead | 22.04 | 46.0 | 66.5 | 3.32 | <0.10 |
| Mercury | 0.40 | 0.045 | 0.201 | 0.002 | - |

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TABLE 3 (Cont.)

| <u>METALS (Cont.)</u> | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/liter) |
|-----------------------|---------|---------|---------|---------|------------|
| Nickel | 22.46 | 7.81 | 10.64 | 8.57 | <0.03 |
| Selenium | <0.001 | 0.002 | 0.047 | 0.022 | 0.001 |
| Silver | 1.47 | 0.10 | 0.23 | 0.10 | <0.02 |
| Thallium | <0.14 | <0.14 | <0.14 | <0.14 | 0.14 |
| Zinc | 39.52 | 54.6 | 37.91 | 16.27 | <0.004 |
| Cyanide | 39.2 | 187 | 308.0 | 0.135 | 0.02 |

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TABLE 4
PRIORITY POLLUTANT SUMMARY

| | | | | |
|--------------|-------|-------|-------|--------------|
| Sample Point | 14 | 14 | 14 | 14 |
| Sample Depth | 0'-1' | 1'-2' | 4'-6' | Static Water |
| BCM Lab No. | 4568 | 4569 | 4570 | 4772 |

| <u>ORGANICS</u> | (microgram/gram) | (microgram/gram) | (microgram/gram) | (microgram/liter) |
|----------------------------|------------------|------------------|------------------|-------------------|
| Acrolein | 7.7 | - | 8.3 | 100 ✓ |
| Benzene | - | - | - | 10 |
| Chloroform | - | - | - | 10 |
| Trans-1,2-Dichloroethene | - | - | - | 10 |
| Ethylbenzene | - | - | - | 1 |
| Methylene Chloride | - | - | - | 70 ✓ |
| Toluene | 6.2 | 2.7 | - | 25 |
| Bis(2-ethylhexyl)phthalate | 4.3(ND) | 4.9(ND) | 4.3(ND) | 17.6 |
| Di-n-butylphthalate | 51.1(ND) | 13.8(ND) | 6.3(ND) | - |
| Phenanthrene | 1.7(1.7) | 2.5(3.9) | - | - |

| <u>METALS</u> | (mg/kg) | (mg/kg) | (mg/kg) | (mg/liter) |
|---------------|---------|---------|---------|------------|
| Antimony | <0.125 | <0.125 | - | - |

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TABLE 4 (Cont.)

| <u>METALS (Cont.)</u> | (mg/kg) | (mg/kg) | (mg/kg) | (mg/liter) |
|-----------------------|---------|---------|---------|------------|
| Arsenic | 0.009 | 0.006 | 0.012 | 0.122 |
| Beryllium | 0.050 | 0.062 | 0.078 | <0.01 |
| Cadmium | 0.018 | <0.005 | 0.434 | <0.005 |
| Chromium | 3.32 | 2.58 | 15.8 | <0.02 |
| Copper | 13.5 | 4.80 | 27.8 | <0.03 |
| Lead | 12.6 | 6.98 | 66.23 | <0.10 |
| Mercury | 20.0 | 14.0 | 0.314 | 0.0001 |
| Nickel | 10.46 | 8.34 | 8.07 | <0.03 |
| Selenium | 0.007 | 0.003 | 0.013 | <0.001 |
| Silver | 0.21 | 0.15 | 0.02 | <0.02 |
| Thallium | <0.14 | <0.140 | <0.14 | <0.14 |
| Zinc | 27.2 | 16.70 | 119 | 0.023 |
| Cyanide | 5.0 | 0.68 | 0.135 | <0.005 |

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TABLE 5

PRIORITY POLLUTANT SUMMARY

| Sample Point | 17 | 17 | 17 | 17 | 17 |
|--------------|-------|-------|-------|-------|--------|
| Sample Depth | 0'-1' | 2'-4' | 4'-6' | 6'-8' | 8'-10' |
| BCM Lab No. | 4435 | 4436 | 4437 | 4438 | 4439 |

| <u>ORGANICS</u> | (microgram/gram) | (microgram/gram) | (microgram/gram) | (microgram/gram) | (microgram/gram) |
|-----------------|------------------|------------------|------------------|------------------|------------------|
|-----------------|------------------|------------------|------------------|------------------|------------------|

| | | | | | |
|-----------------------------|------|------|------|---|---|
| Benzene | - | - | 1 | - | - |
| Chlorobenzene | - | - | 1.6 | - | - |
| Ethylbenzene | - | - | 0.7 | - | - |
| Toluene | - | - | 21 | - | - |
| Phenol | | | 4.6 | - | - |
| Bis(2-ethylhexyl) phthalate | 75.4 | 48.7 | 46.2 | - | - |

| <u>METALS</u> | (mg/kg) | (mg/kg) | (mg/kg) | mg/kg | (mg/kg) |
|---------------|---------|---------|---------|-------|---------|
|---------------|---------|---------|---------|-------|---------|

| | | | | | |
|-----------|--------|--------|--------|--------|--------|
| Antimony | <0.125 | <0.125 | <0.125 | <0.125 | <0.125 |
| Arsenic | 1.32 | 1.09 | 1.56 | 0.60 | 1.71 |
| Beryllium | 0.031 | 0.012 | <0.01 | <0.01 | 0.08 |
| Cadmium | 0.121 | 0.149 | 0.114 | <0.005 | 0.019 |
| Chromium | 0.190 | 0.296 | 333 | 317 | 535 |
| Copper | 0.459 | 0.331 | 9.33 | 3.22 | 4.99 |
| Lead | <0.10 | 0.35 | 2.80 | ?? | ?? |

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TABLE 5 (Cont'd)

| <u>METALS (Cont.)</u> | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
|-----------------------|---------|---------|---------|---------|---------|
| Mercury | 0.173 | 0.008 | 0.008 | 0.394 | 0.017 |
| Nickel | <0.10 | 2.9 | 7.0 | 5.2 | 6.5 |
| Selenium | <0.001 | 0.001 | 0.009 | 0.002 | 0.106 |
| Silver | 0.12 | 0.05 | 0.08 | 0.13 | 0.09 |
| Thallium | <0.14 | <0.14 | <0.14 | <0.14 | <0.14 |
| Zinc | 2.63 | 3.70 | 7.70 | 11.54 | 14.3 |
| Cyanide | 7.03 | 11.30 | 19.86 | 1.08 | 0.135 |

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TABLE 6
PRIORITY POLLUTANT SUMMARY

| Sample Point | 18 | 18 | 18 | 18 |
|--------------------------|------------------|------------------|------------------|-------------------|
| Sample Depth | 0'-1' | 1'-2' | 2'-6' | Static Water |
| BCM Lab No. | 4491 | 4492 | 4493 | 4773 |
| <u>ORGANICS</u> | | | | |
| | (microgram/gram) | (microgram/gram) | (microgram/gram) | (microgram/liter) |
| Acrolein | - | - | - | 1000 ✓ |
| Acrylonitrile | - | - | - | 9 |
| Benzene | 1.1 | 0.46 | 0.25 | 90 ✓ |
| Chlorobenzene | - | - | 0.36 | 18 |
| 1,2-Dichloroethane | - | - | - | 13 |
| Trans-1,2 Dichloroethene | - | - | - | 800 ✓ |
| Ethylbenzene | - | - | - | 15 |
| Tetrachloroethene | - | - | - | 23 |
| Toluene | 1.6 | - | 0.51 | 140 ✓ |
| Trichloroethylene | - | - | - | 45 |
| Phenol | 42.3 | - | - | - |
| Bis(2-Ethylhexyl) | | | | |
| phthalate | 11.6 | 15(18) | 39.8 | 28 |
| Butyl Benzyl Phthalate | - | 13(ND) | - | - |
| Di-n-Butylphthalate | 37.7 | 10(ND) | - | - |
| Diethylphthalate | - | 10(11.5) | - | - |
| Dioctylphthalate | - | 2(ND) | - | - |

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TABLE 6 (Cont.)

| Sample Point | 18 | 18 | 18 | 18 |
|--------------|---------|---------|---------|---------|
| Sample Depth | 0'-1' | 1'-2' | 2'-4' | 4'-6' |
| BCM Lab No. | 4491 | 4492 | 4493 | 4494 |
| | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Antimony | <0.125 | <0.125 | <0.125 | <0.125 |
| Arsenic | 2.496 | 0.627 | 1.266 | 0.809 |
| Beryllium | <0.01 | <0.01 | <0.01 | 0.107 |
| Cadmium | 0.382 | 0.440 | 0.45 | <0.005 |
| Chromium | 2750 | 0.26 | 0.30 | 32.8 |
| Copper | 61.5 | 0.24 | 0.32 | 3.81 |
| Lead | 39.9 | 0.59 | <0.10 | 2.10 |
| Mercury | 0.116 | 0.48 | 0.22 | 0.081 |
| Nickel | 41.94 | 0.70 | <0.10 | 3.13 |
| Selenium | 0.001 | 0.068 | 0.004 | 0.098 |
| Silver | 0.27 | 0.15 | 0.12 | 0.09 |
| Thallium | <0.14 | <0.14 | <0.14 | <0.14 |
| Zinc | 77.0 | 0.344 | 0.37 | 6.16 |
| Cyanide | 15.88 | 28.11 | 52.70 | 1.35 |

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TABLE 7
PRIORITY POLLUTANT SUMMARY

| Sample Point | 20 | 20 | 20 |
|--------------|-------|--------|---------|
| Sample Depth | 0"-6" | 6"-12" | 12"-18" |
| BCM Lab No. | 4573 | 4574 | 4575 |

| <u>ORGANICS</u> | (microgram/gram) | (microgram/gram) | (microgram/gram) |
|----------------------------|------------------|------------------|------------------|
| Methylene Chloride | 6.3 | 7.2 | 11 |
| 1,1,2,2-Tetrachloroethane | 1.3 | - | - |
| Bis(2-Ethylhexyl)Phthalate | 10.2(15.5) | 4(ND) | 4.7(ND) |
| Di-n-Butylphthalate | 7.3(ND) | 7.6(3.2) | 7.7(ND) |

| <u>METALS</u> | (mg/kg) | (mg/kg) | (mg/kg) |
|---------------|---------|---------|---------|
| Antimony | <0.125 | <0.125 | <0.125 |
| Arsenic | 2.405 | 2.133 | 2.375 |
| Beryllium | 0.050 | 0.062 | 0.078 |
| Cadmium | 0.795 | 0.30 | <0.005 |
| Chromium | 525 | 156 | 8.1 |
| Copper | 57 | 22.9 | 11.02 |
| Lead | 34.2 | 32.46 | 9.22 |
| Mercury | 24.6 | 27.6 | 0.314 |
| Nickel | 10.46 | 8.34 | 8.07 |

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TABLE 7 (Cont.)

| <u>METALS (Cont.)</u> | (mg/kg) | (mg/kg) | (mg/kg) |
|-----------------------|---------|---------|---------|
| Selenium | 0.025 | 0.088 | 0.002 |
| Silver | 0.33 | 0.287 | 0.184 |
| Thallium | <0.14 | <0.14 | <0.14 |
| Zinc | 151 | 35.73 | 33.78 |
| Cyanide | 5 | 0.68 | 0.135 |

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Chemical Division

TABLE 8
PRIORITY POLLUTANT SUMMARY

| Sample Point BCM Lab No. | Southern Prod. Well 4431 | City Water 4567 | Distilled Water Blank 4571 |
|-----------------------------|--------------------------------|--------------------|----------------------------------|
| <u>ORGANICS</u> | (microgram/liter) | (microgram/liter) | (microgram/liter) |
| Bromodichloromethane | - | 23 | - |
| Chloroform | - | 27 | - |
| Dibromochloromethane | - | 4 | - |
| 1,2-Dichloroethane | - | 2 | - |
| 1,2-Dichloropropane | 13 | - | - |
| Methylene Chloride | 30 | 40 | - |
| 1,1,1-Trichloroethane | - | 1 | - |
| Trichloroethylene | 11 | - | - |
| Bis(2-ethylhexyl) phthalate | - | 8 | 160 |
| Butyl Benzyl phthalate | - | - | 28 |
| Di-n-butyl phthalate | - | 1040 | 4 |

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TABLE 8 (Cont.)

METALS (mg/Liter)

| | |
|-----------|---------|
| Antimony | <0.125 |
| Arsenic | 0.002 |
| Beryllium | <0.01 |
| Cadmium | <0.005 |
| Chromium | <0.02 |
| Copper | <0.03 |
| Lead | <0.10 |
| Mercury | 0.00007 |
| Nickel | <0.03 |
| Selenium | <0.001 |
| Silver | <0.02 |
| Thallium | <0.14 |
| Zinc | <0.004 |
| Cyanide | <0.014 |

POTABLE WATER PARAMETERS

| | |
|---------------|------|
| Phenol (mg/l) | 0.04 |
|---------------|------|

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Chemical Division

TABLE 8 (Cont.)

POTABLE WATER PARAMETERS (Cont.)

| | |
|------------------------------------------------|---------------|
| Sulfate (mg/l) | 180 |
| Fluoride (mg/l) | 0.14 |
| pH | 7.4 |
| Nitrate (mg/l) | 3.0 |
| Iron (mg/l) | <0.04 |
| Manganese (mg/l) | <0.014 |
| Color(Pt/C ₀ Units) | 10 |
| Turbidity (NTU) | 2.8 |
| Alkalinity (mg/l as CaCO ₃) | 169 |
| Chloride (mg/l) | 267 |
| Dissolved Solids (mg/l) | 1000 |
| Total Hardness (mg/l as CaCO ₃) | 580 |
| Surfactants (mg/l) | 0.08 |
| Sodium (mg/l) | 134 |
| Odor | None Detected |